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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/740,527	12/18/2000	Rabindranath Dutta	AUS920000920US1	8506

7590 03/26/2004

International Business Machines Corporation  
Intellectual Property Law Department  
Internal Zip 4054  
11400 Burnet Road  
Austin, TX 78758

EXAMINER

KIANERSI, MITRA

ART UNIT	PAPER NUMBER
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2143

DATE MAILED: 03/26/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/740,527

Applicant(s)

DUTTA, RABINDRANATH

Examiner

mitra kianersi

Art Unit

2143

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 18 December 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 18 December 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

Claims 1-15 have been examined.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-5, 7-11, and 13-15 are rejected under 35 U.S.C. 102(b) as being \*anticipated by Shi et al. (US Patent No. 5,875,296)

1. As per claim 1, 7, 8, 13 and 14, a method of maintaining state information on a client, the method comprising: transmitting an unmodifiable cookie, which specifies state information from a server to the client; and storing the unmodifiable cookie on the client. (corresponds to when the Web server sends the Web client a login HTML form and a first cookie including a URL identified by the HTTP request. Col 3, lines 22-46)
2. As per claims 2 and 15, the method wherein the unmodifiable cookie is transmitted from the client to the server when the client makes predefined requests to the server and wherein the unmodifiable cookie is transmitted with the file. (the Web client transmits the completed form along with the first cookie (including the URL entry) back to the Web server. Col 3, lines 22-46)
3. As per claims 3 and 9, the method wherein a copy of the unmodifiable cookie is stored in a public cookie file and the unmodifiable cookie is stored in a private cookie

file in a location separate from the public cookie file on the client. (If a mechanism is provided for having the Web server access the distributed file system, the Web server will maintain both the documents stored on the server local directory (protected by Web server security) and DFS (protected by DFS security). col 2, lines 1-18)

4. As per claims 4 and 10, the method further comprising in response to a request from the client for a document requiring an unmodifiable cookie, checking the public cookie file for a matching unmodifiable cookie. (At step 34, called path checks, the server performs various tests on the resulting path to ensure that the given client may retrieve the document. Col 2, lines 62-67)

5. As per claims 5 and 11, the method where no matching unmodifiable cookie is present in the public cookie file, checking the private cookie file for a matching unmodifiable cookie. (corresponds to when searching the cookie list for a valid cookie, a comparison of the domain attributes of the cookie is made with the Internet domain name of the host from which the URL will be fetched. If there is a tail match, then the cookie will go through path matching to see if it should be sent. Col 7, lines 26-36)


### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 6 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shi et al. (US Patent No. 5,875,296) and further in view of Wagner (US Patent No. 6,085,224)

6. As per claims 6 and 12, the method further comprising updating the public cookie file to reflect the unmodifiable cookies found in the private cookie file. Shi et al. do not explicitly teach updating the public cookie, however Wagner disclose that file Refresh files are typically HTML files sent by a server to update an area within a previously transmitted page. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to incorporate Shi's distributed file system with cookies with method and system for responding to hidden data and programs in a DataStream thought by Wagner to enhance the enterprise environment to take advantage of the scalability, file availability and security features of DFS (or other similar distributed file systems).

  
**DAVID WILEY**  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100

### *Conclusion*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mitra Kianersi whose telephone number is (703) 305-4650. The examiner can normally be reached on 7:00AM-4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley can be reached on (703) 308-5221. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mitra Kianersi  
March/17/2004